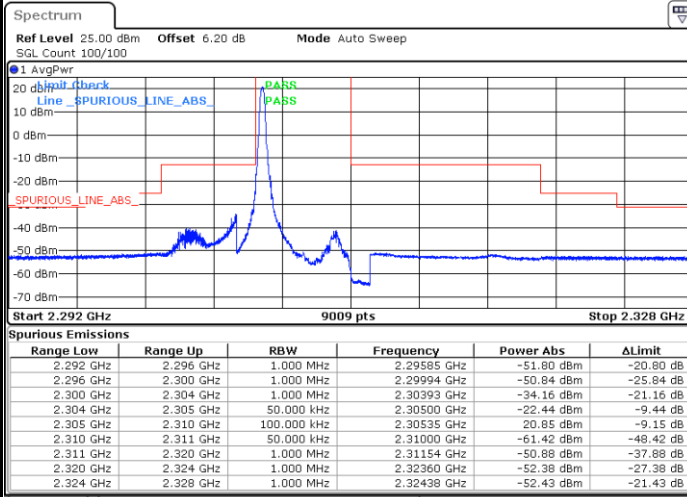




Conducted Band Edge

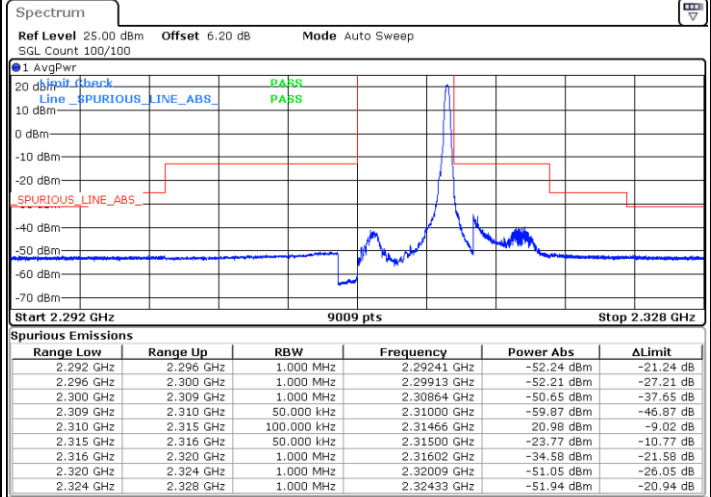
LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / 1 RB



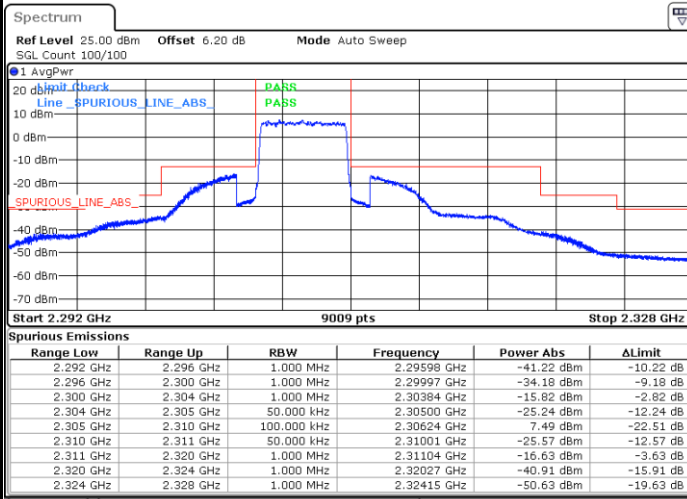
Date: 6.NOV.2023 13:03:34

Highest Band Edge / 1 RB



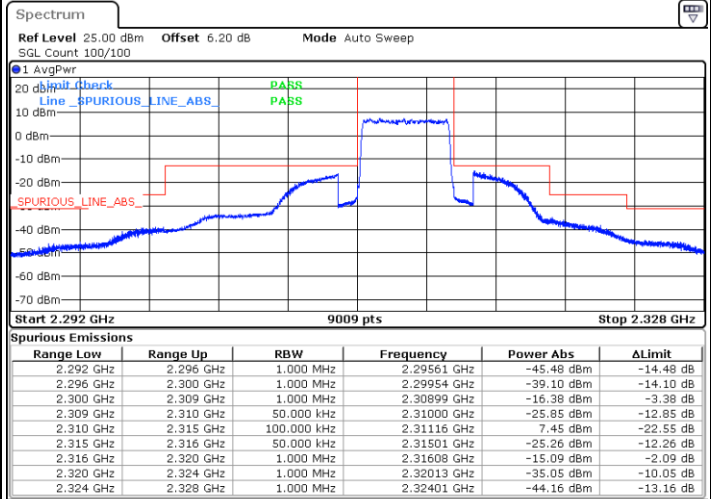
Date: 6.NOV.2023 13:24:34

Lowest Band Edge / Full RB



Date: 6.NOV.2023 13:07:21

Highest Band Edge / Full RB



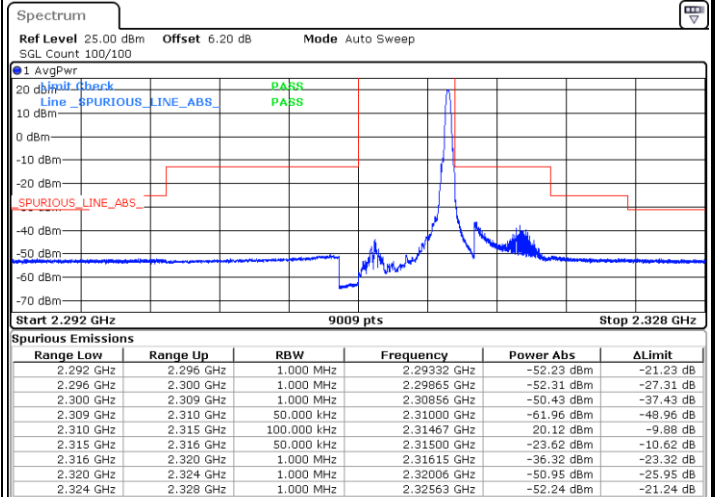
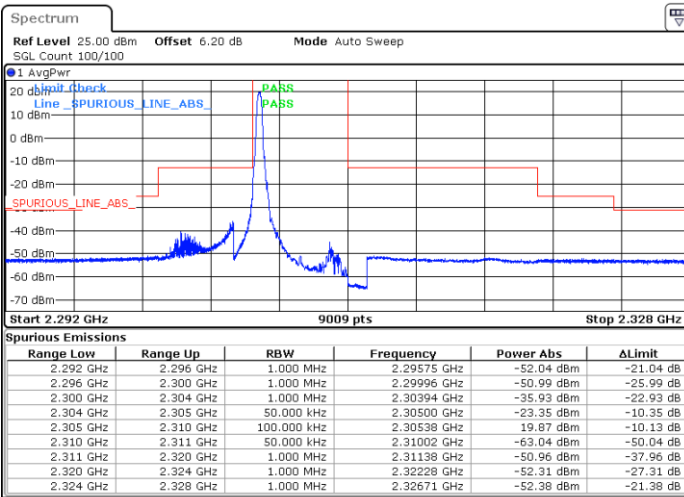
Date: 6.NOV.2023 13:41:04



LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

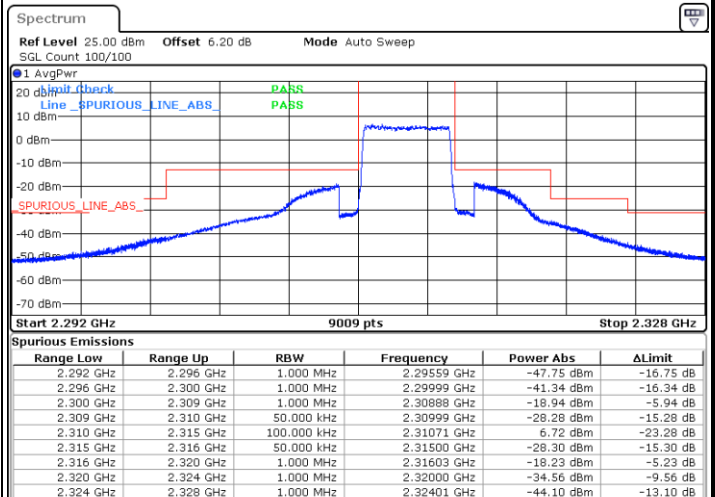
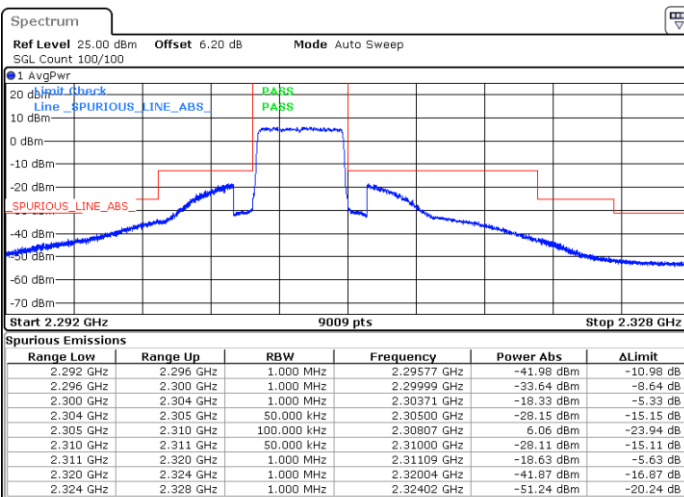


Date: 6.NOV.2023 13:04:21

Date: 6.NOV.2023 13:25:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.NOV.2023 13:08:08

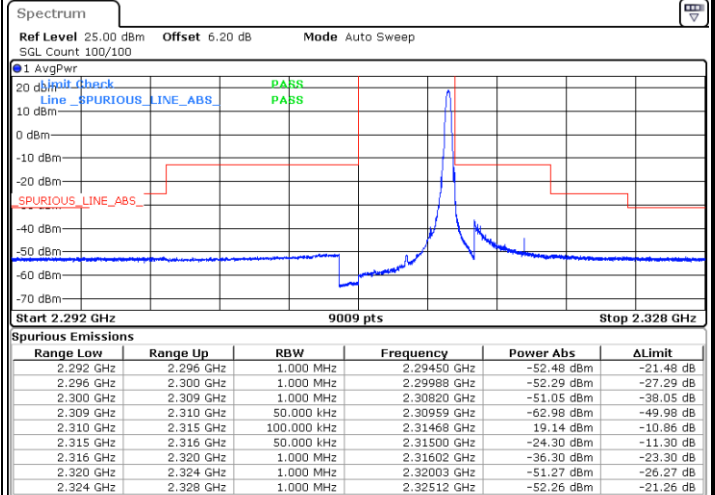
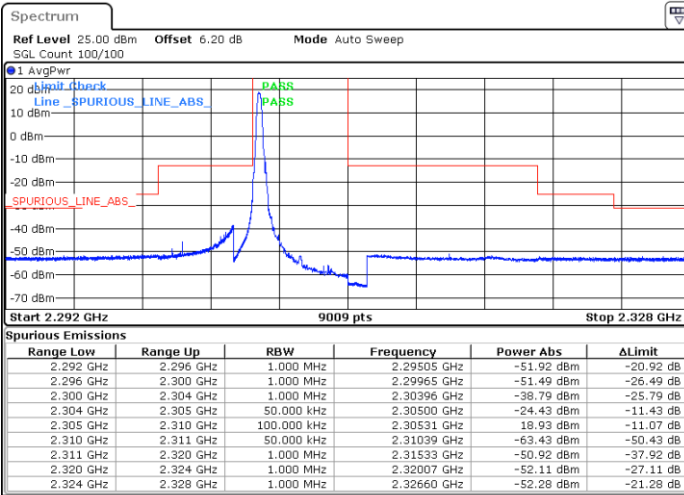
Date: 6.NOV.2023 13:41:56



LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

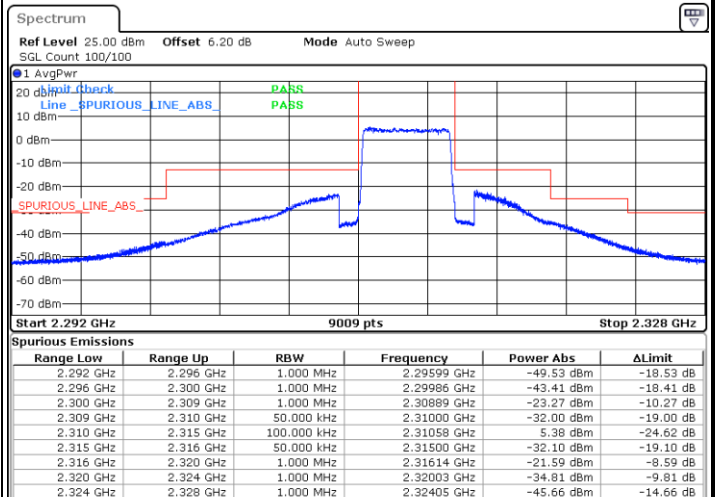
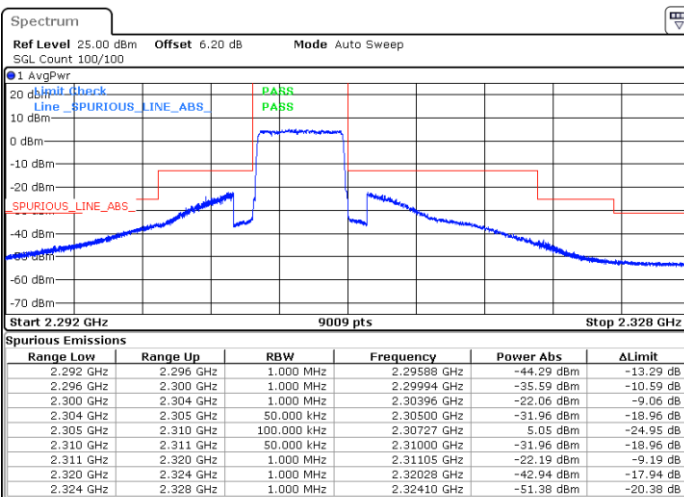


Date: 6.NOV.2023 13:05:25

Date: 6.NOV.2023 13:26:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.NOV.2023 13:10:07

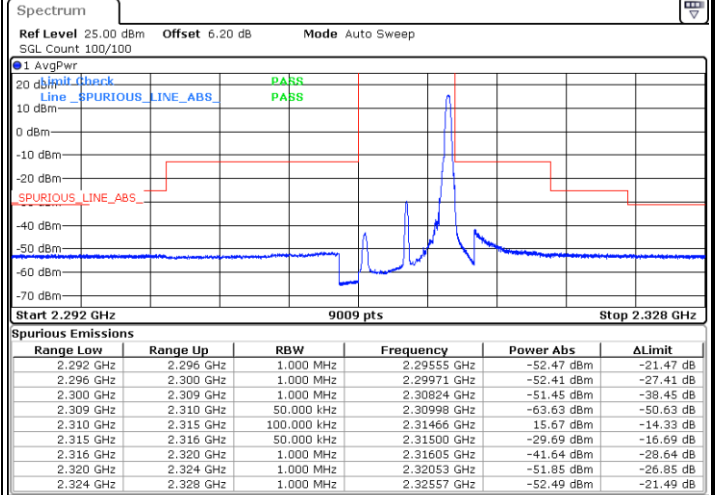
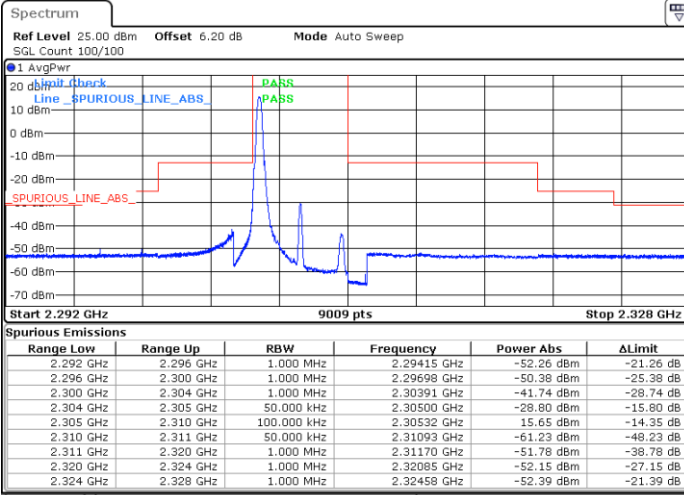
Date: 6.NOV.2023 13:42:42



LTE Band 30 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

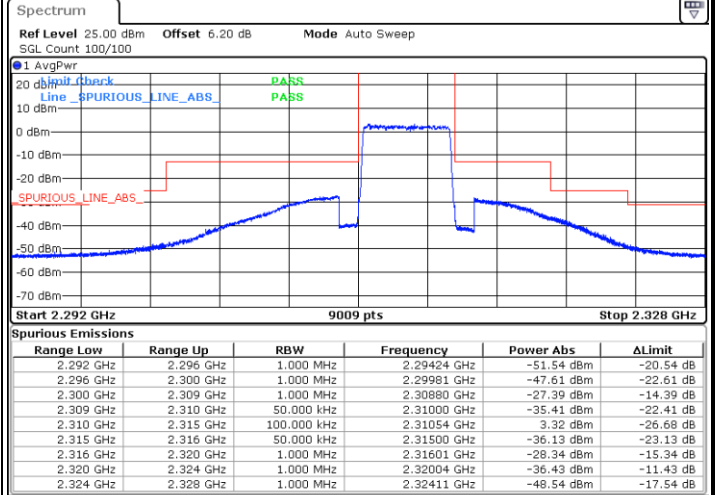
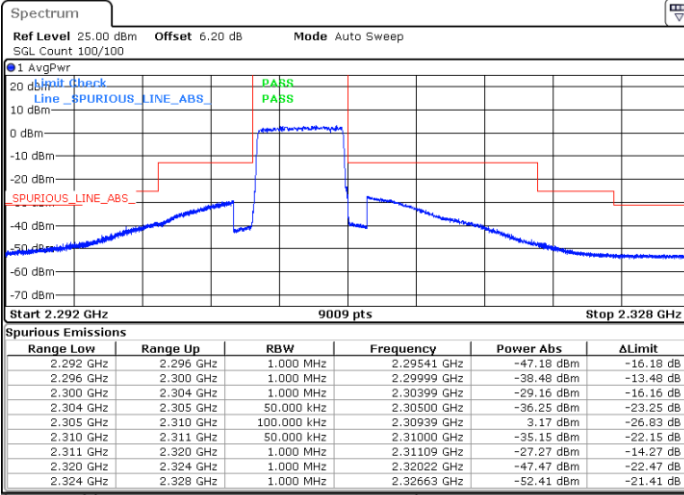


Date: 6.NOV.2023 13:06:17

Date: 6.NOV.2023 13:26:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.NOV.2023 13:11:01

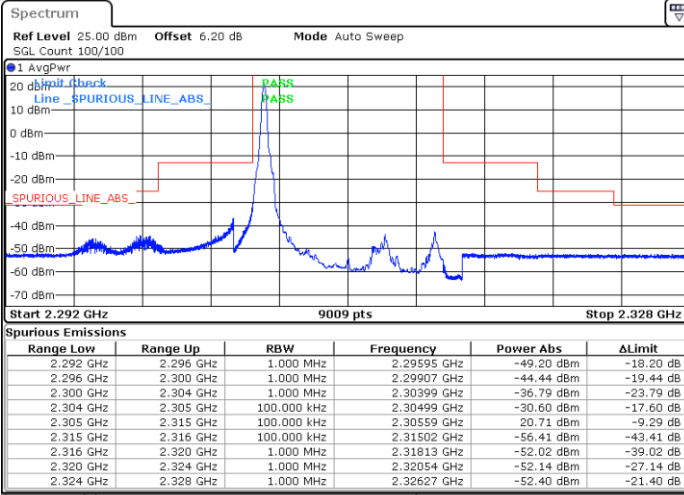
Date: 6.NOV.2023 13:43:36



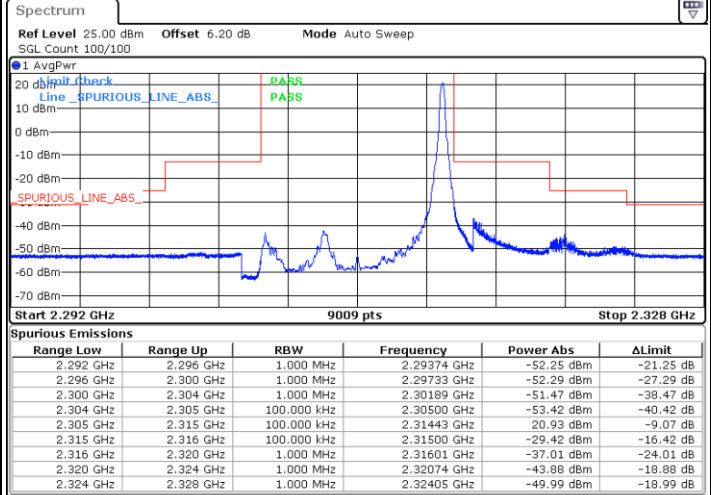
LTE Band 30 / 10MHz / QPSK

Middle Band Edge / 1 RB 0

Middle Band Edge / 1 RB max

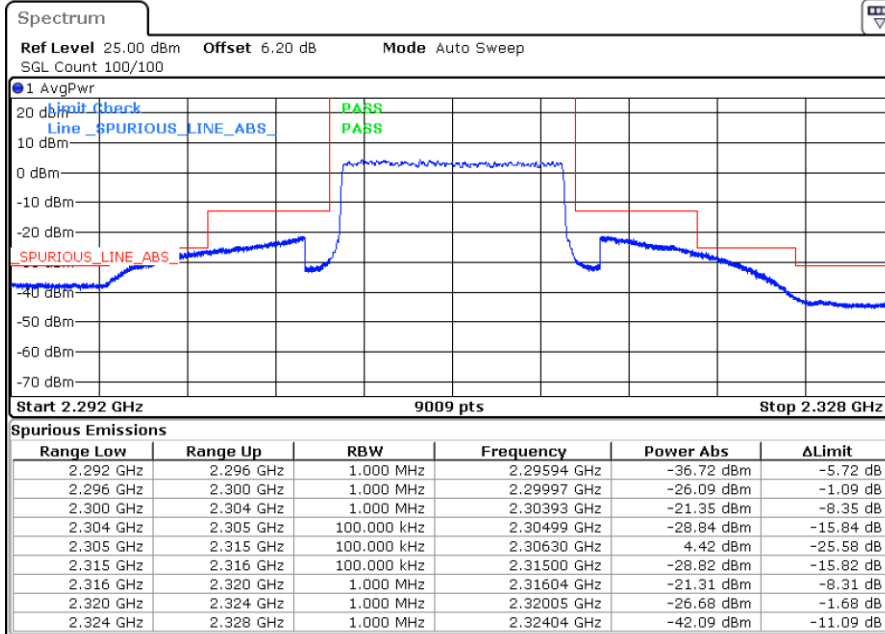


Date: 6.NOV.2023 13:45:23



Date: 6.NOV.2023 13:48:56

Middle Band Edge / Full RB



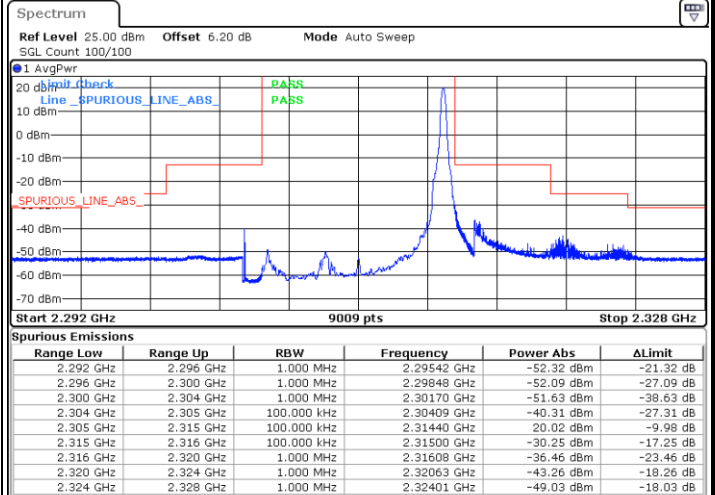
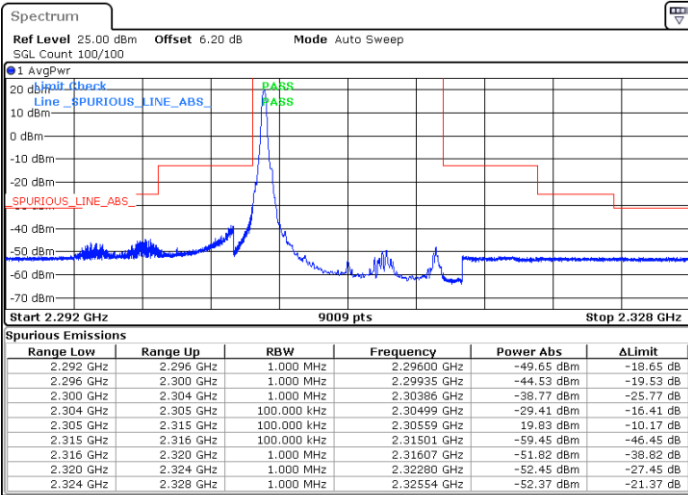
Date: 6.NOV.2023 15:50:17



LTE Band 30 / 10MHz / 16QAM

Middle Band Edge / 1 RB 0

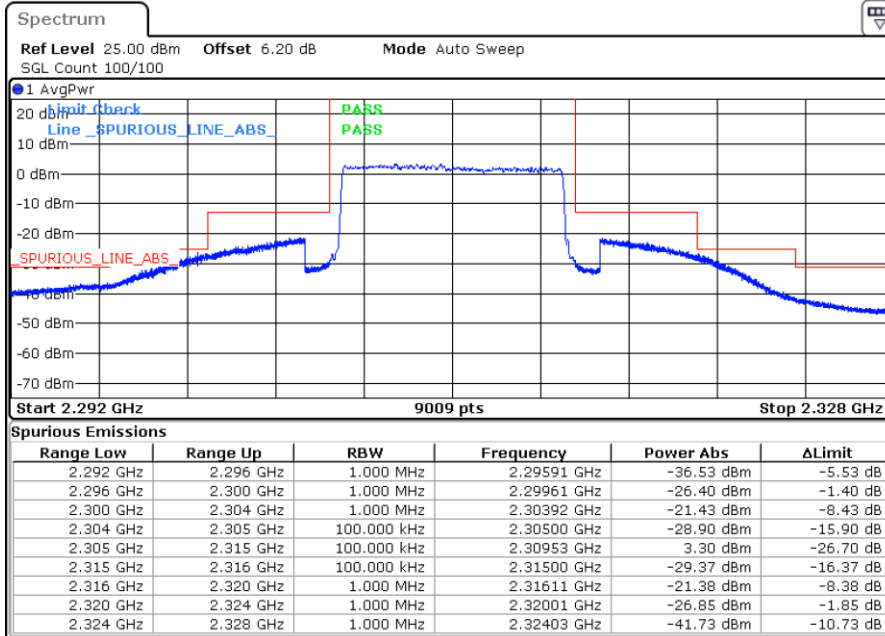
Middle Band Edge / 1 RB max



Date: 6.NOV.2023 13:46:26

Date: 6.NOV.2023 13:49:42

Middle Band Edge / Full RB



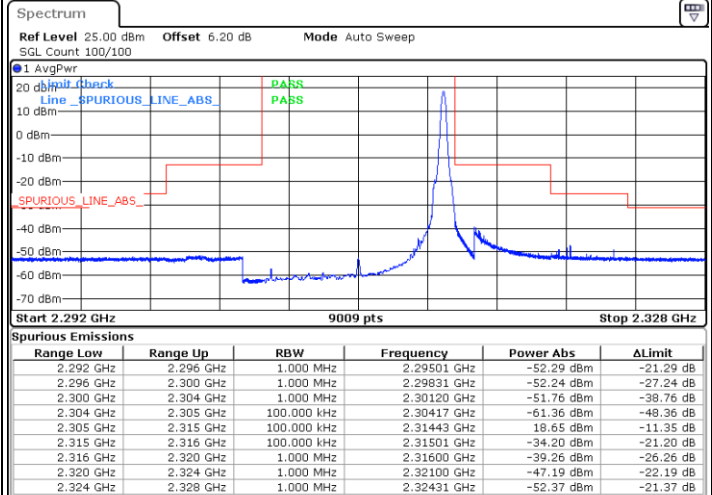
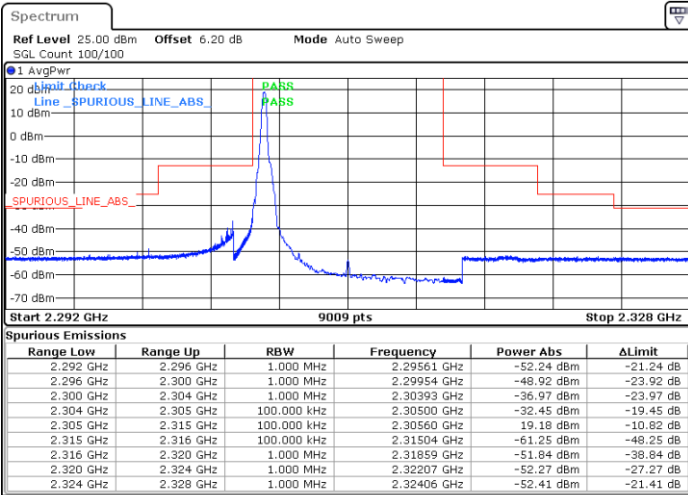
Date: 6.NOV.2023 14:37:59



LTE Band 30 / 10MHz / 64QAM

Middle Band Edge / 1 RB 0

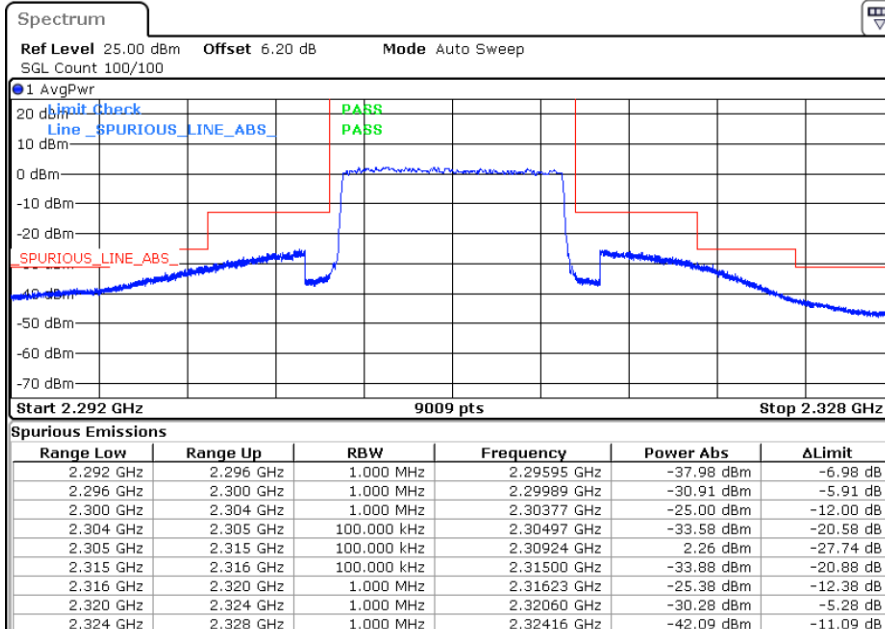
Middle Band Edge / 1 RB max



Date: 6.NOV.2023 13:47:10

Date: 6.NOV.2023 13:50:28

Middle Band Edge / Full RB



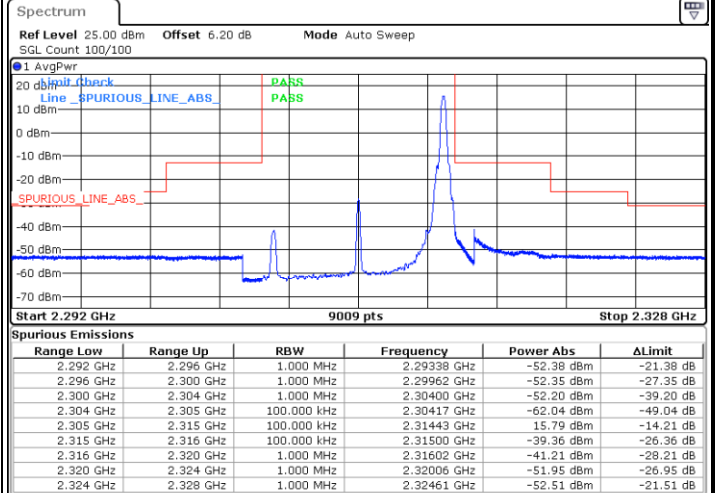
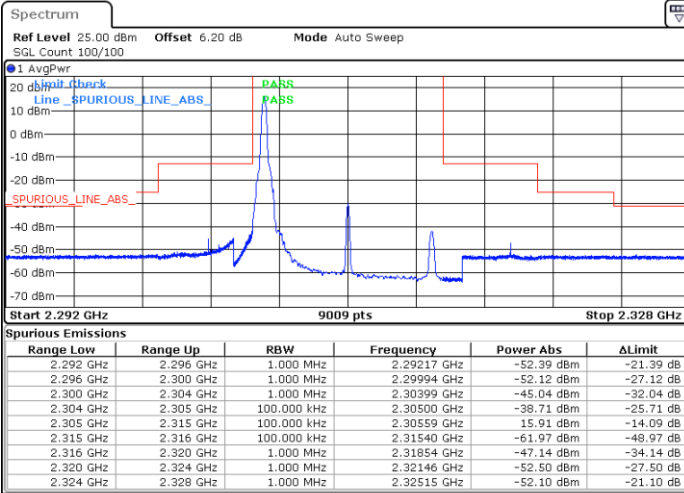
Date: 6.NOV.2023 14:38:57



LTE Band 30 / 10MHz / 256QAM

Middle Band Edge / 1 RB 0

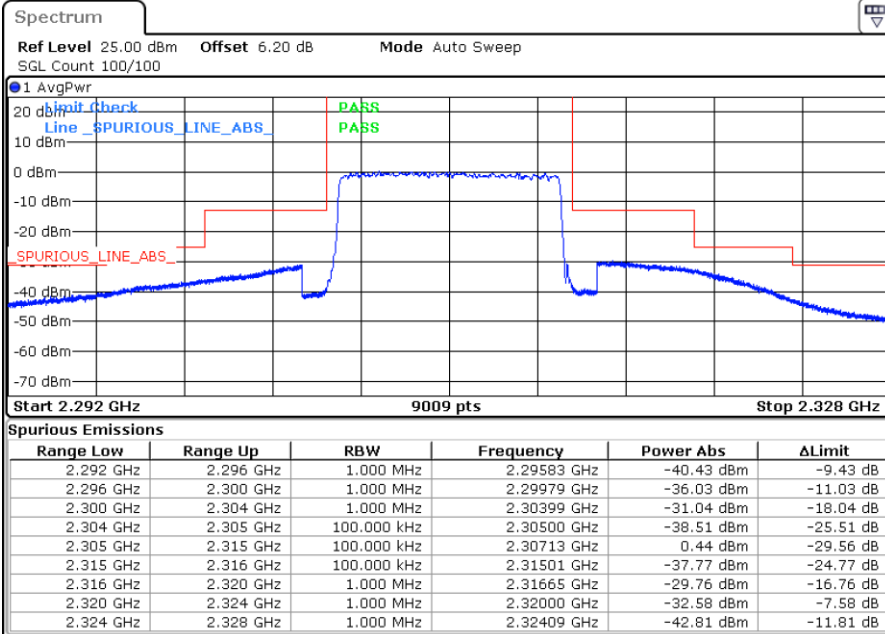
Middle Band Edge / 1 RB max



Date: 6.NOV.2023 13:48:05

Date: 6.NOV.2023 13:51:17

Middle Band Edge / Full RB



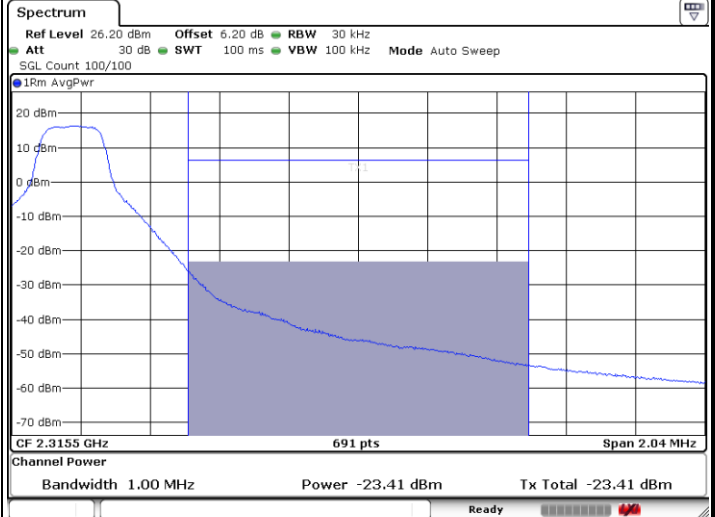
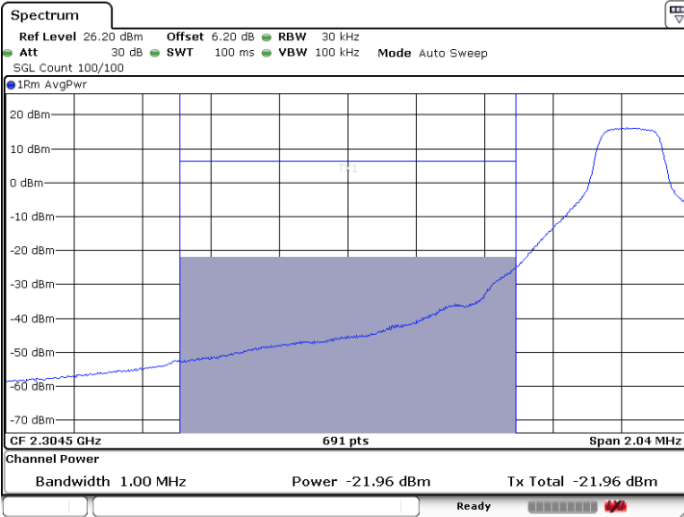
Date: 6.NOV.2023 14:40:05



LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RBMAX

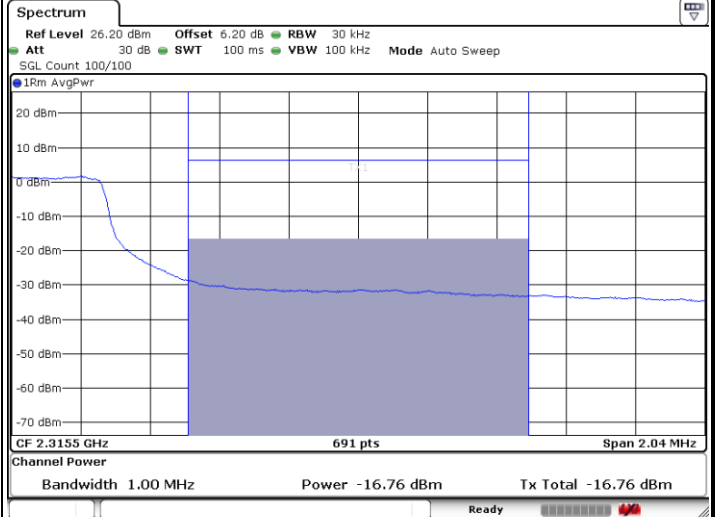
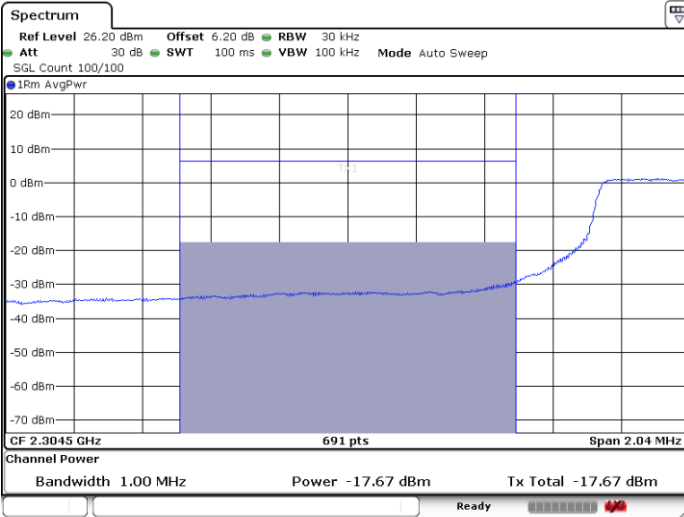


Date: 7.NOV.2023 09:59:34

Date: 7.NOV.2023 10:32:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.NOV.2023 10:03:45

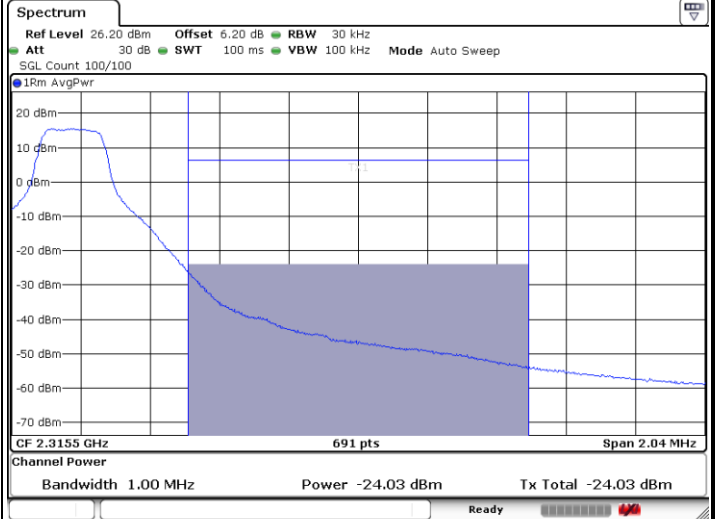
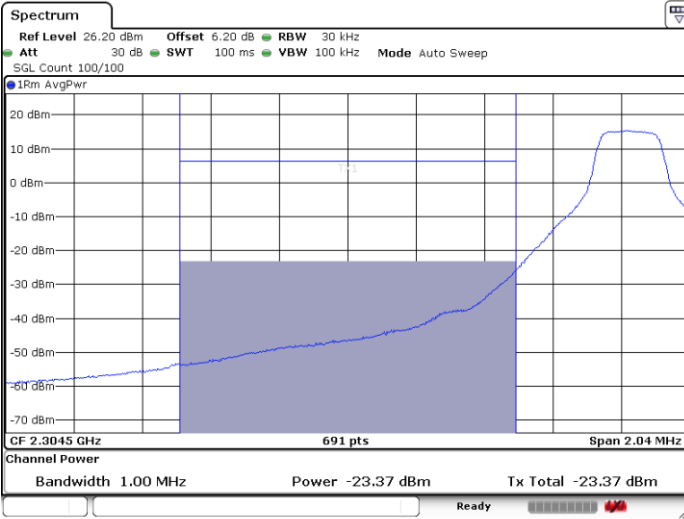
Date: 7.NOV.2023 10:28:00



LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RBMAX

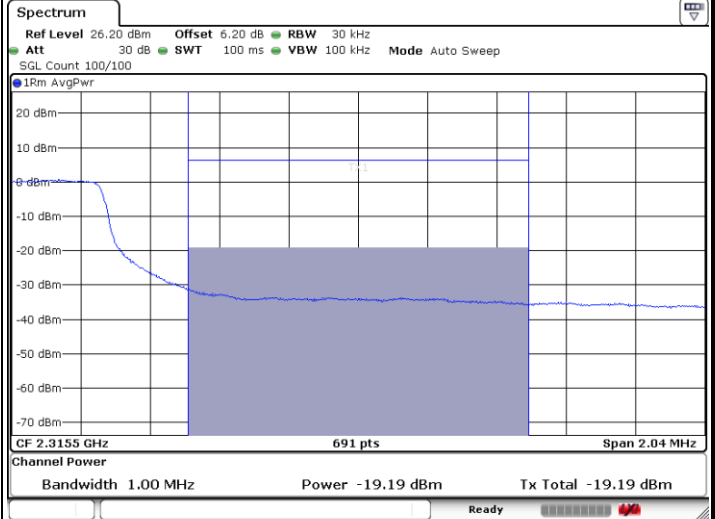
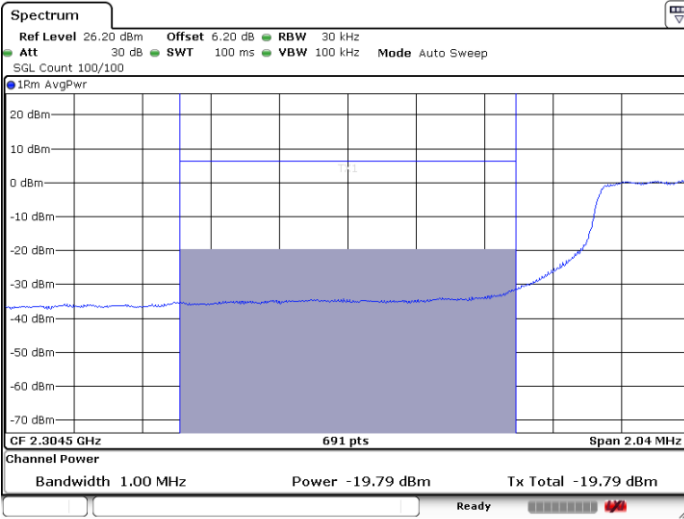


Date: 7.NOV.2023 10:00:48

Date: 7.NOV.2023 10:32:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.NOV.2023 10:04:56

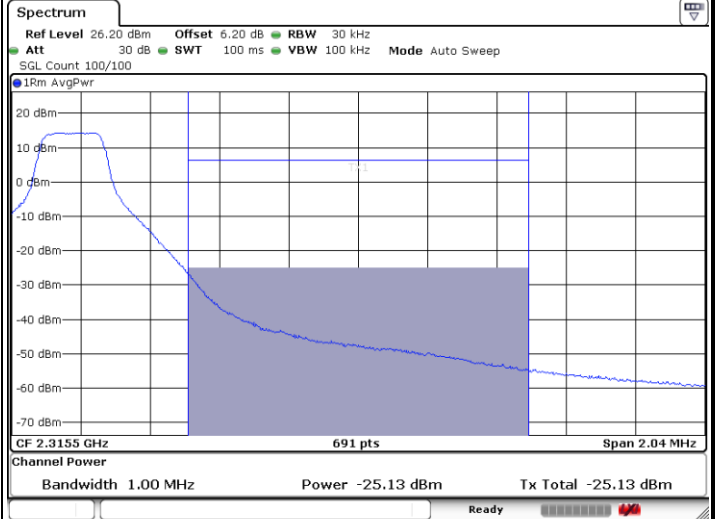
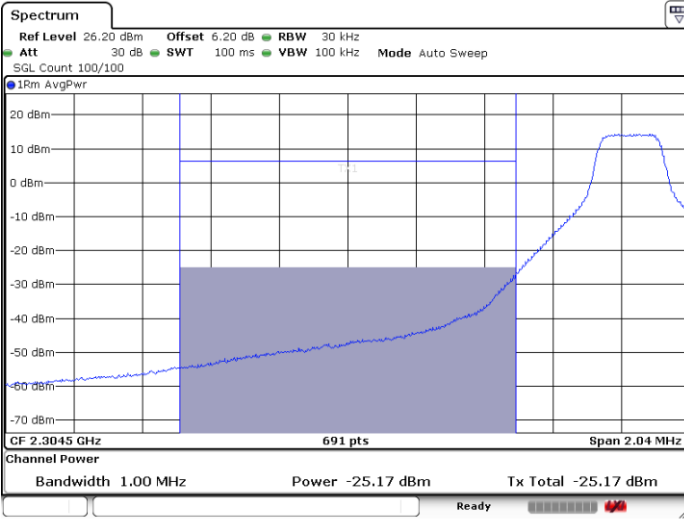
Date: 7.NOV.2023 10:29:00



LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RBMAX

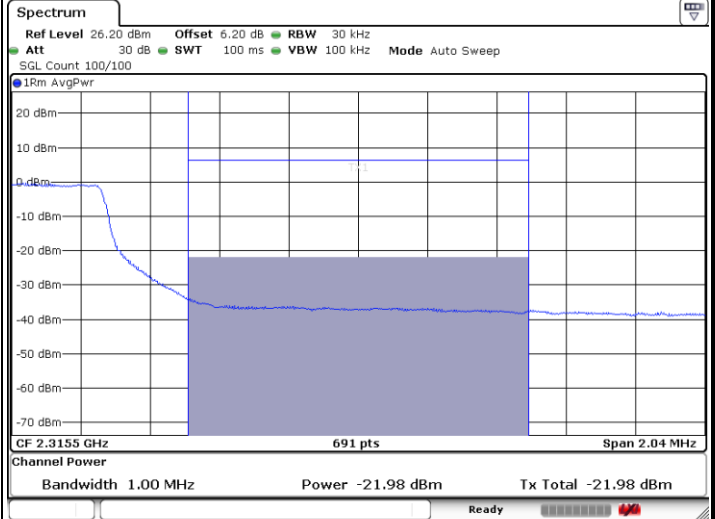
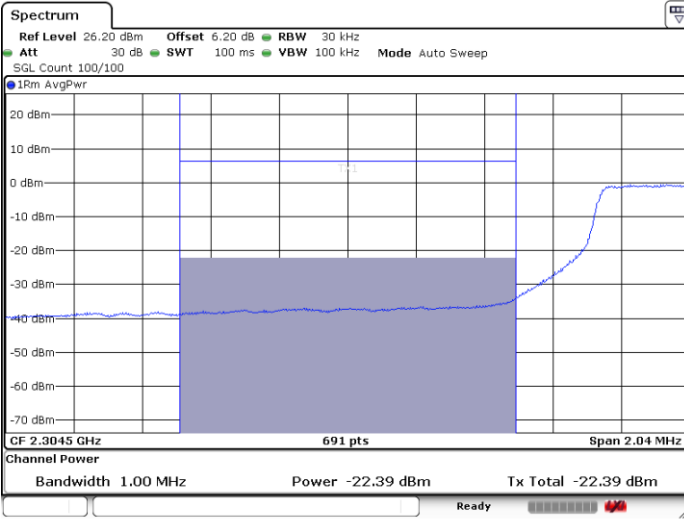


Date: 7.NOV.2023 10:02:29

Date: 7.NOV.2023 10:33:25

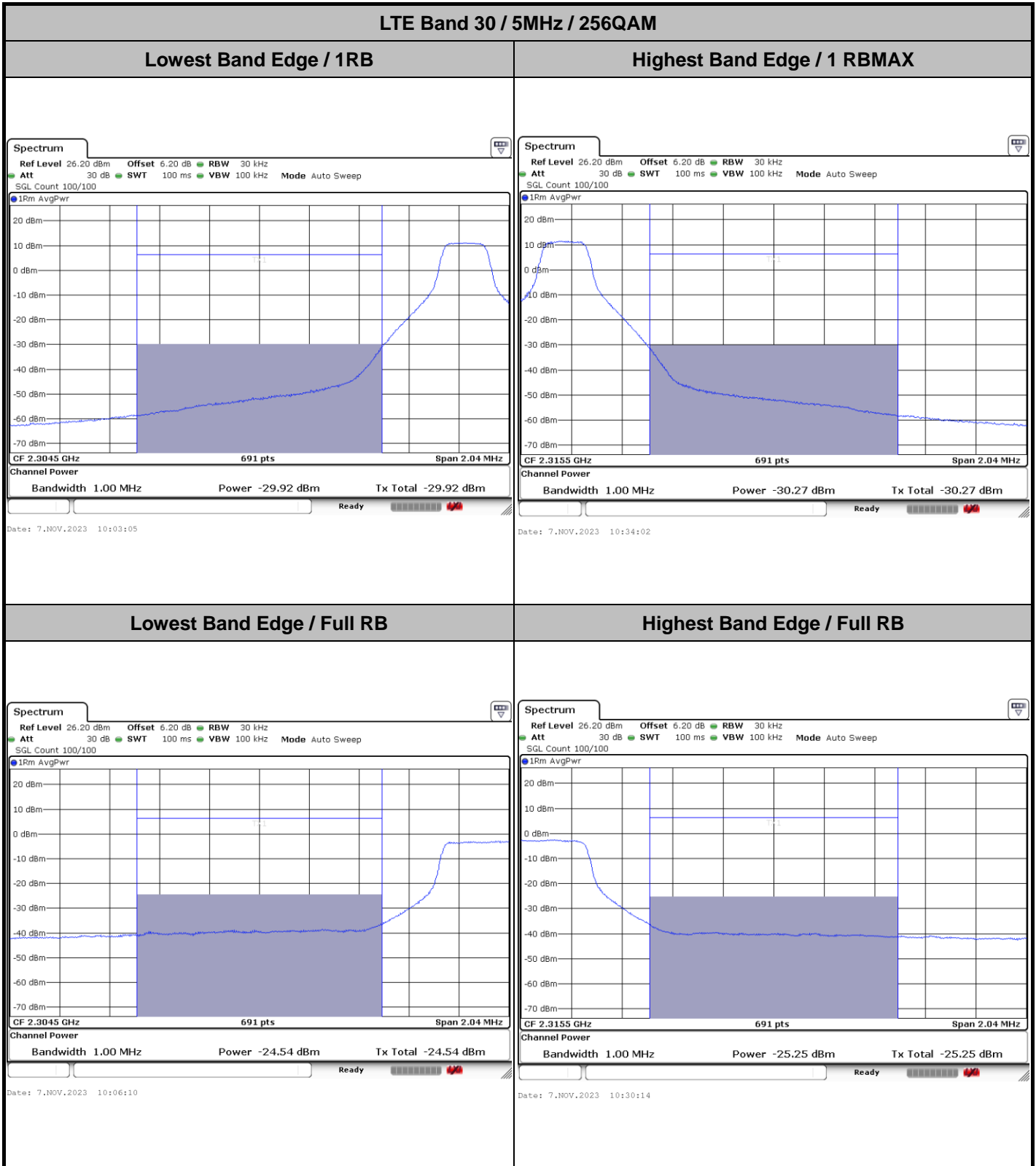
Lowest Band Edge / Full RB

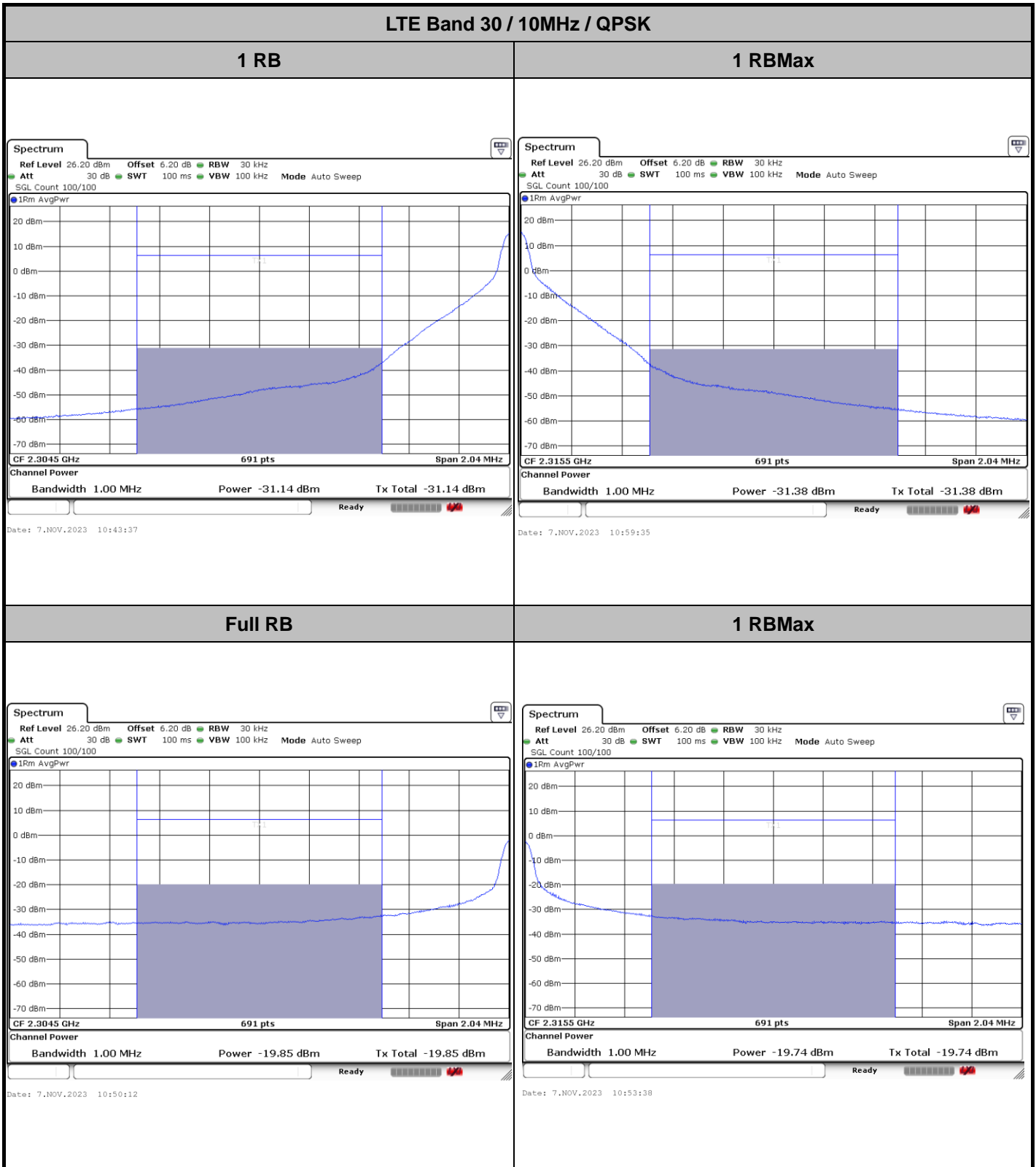
Highest Band Edge / Full RB



Date: 7.NOV.2023 10:05:26

Date: 7.NOV.2023 10:29:39

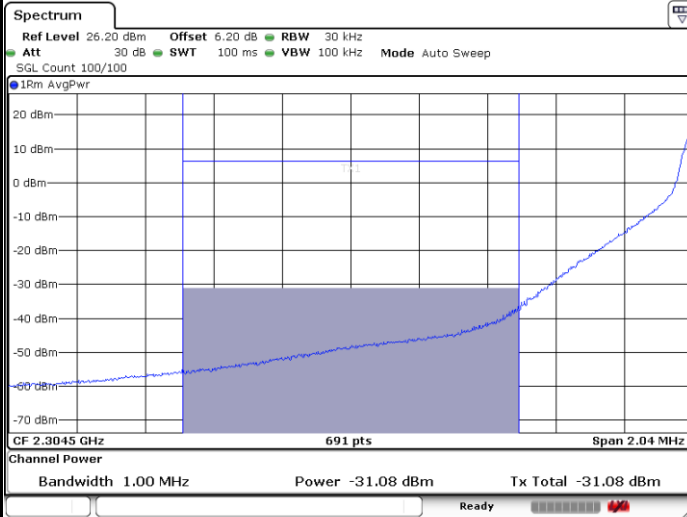






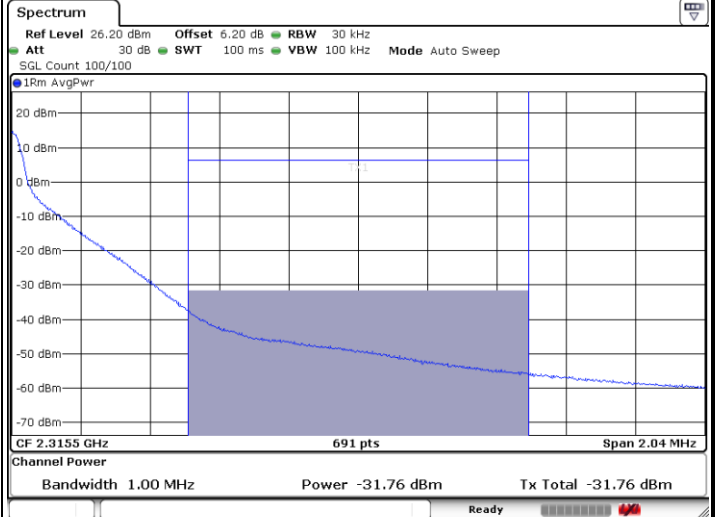
LTE Band 30 / 10MHz / 16QAM

1 RB



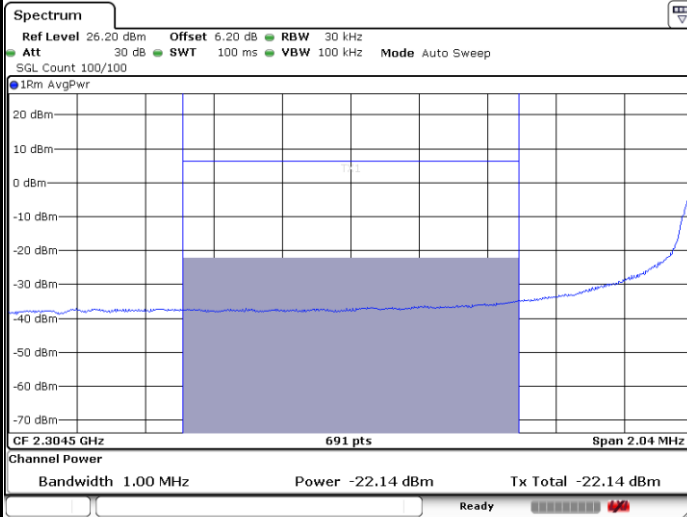
Date: 7.NOV.2023 10:44:27

1 RBMax



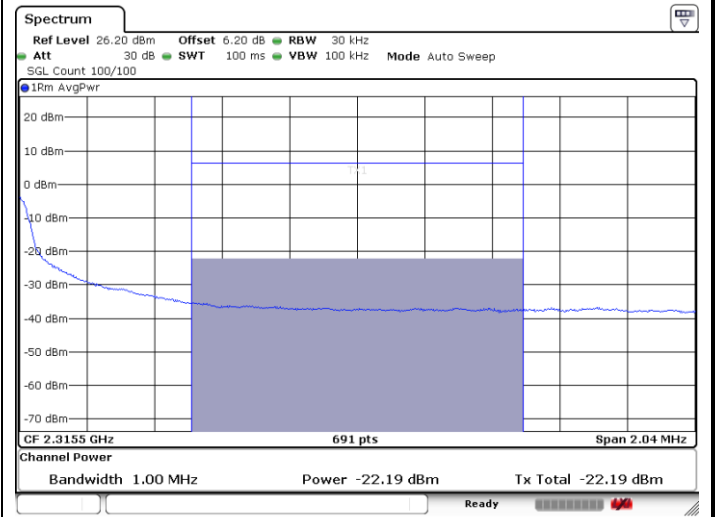
Date: 7.NOV.2023 11:00:07

Full RB



Date: 7.NOV.2023 10:50:48

Full RB



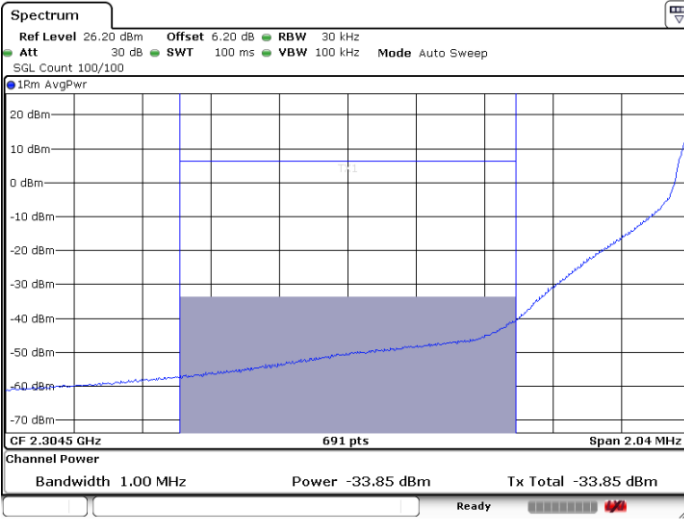
Date: 7.NOV.2023 10:54:09



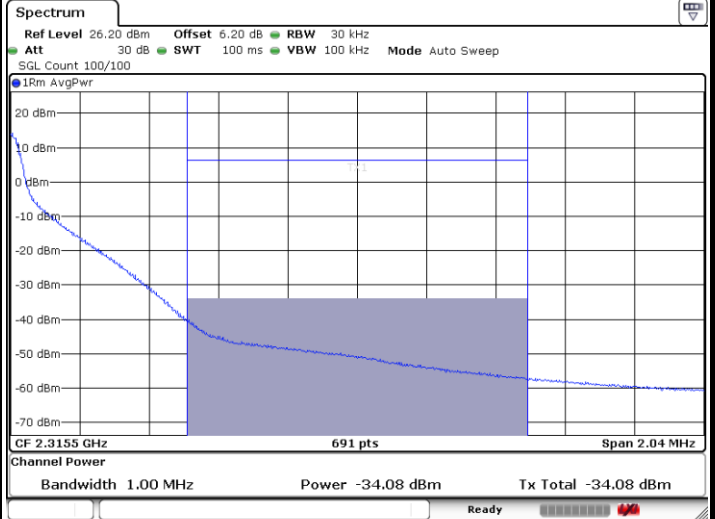
LTE Band 30 / 10MHz / 64QAM

1 RB

1 RBMax



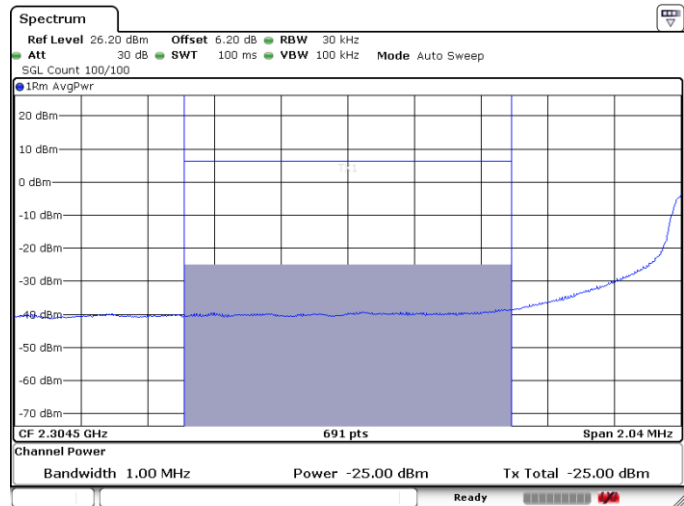
Date: 7.NOV.2023 10:45:01



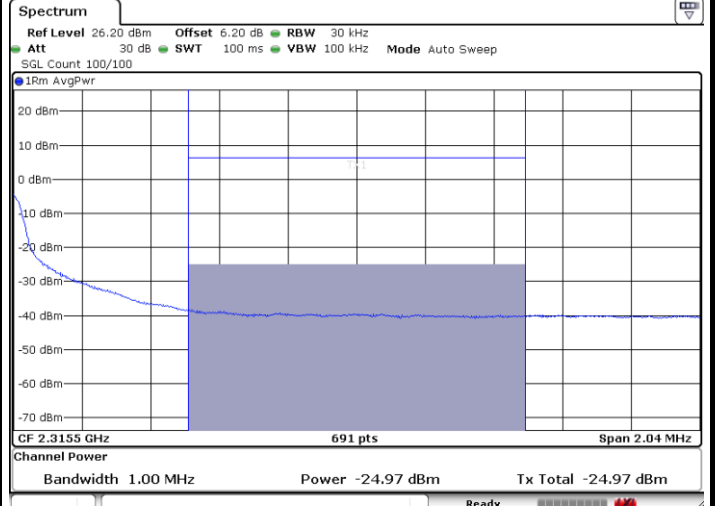
Date: 7.NOV.2023 11:00:35

Band Edge / Full RB

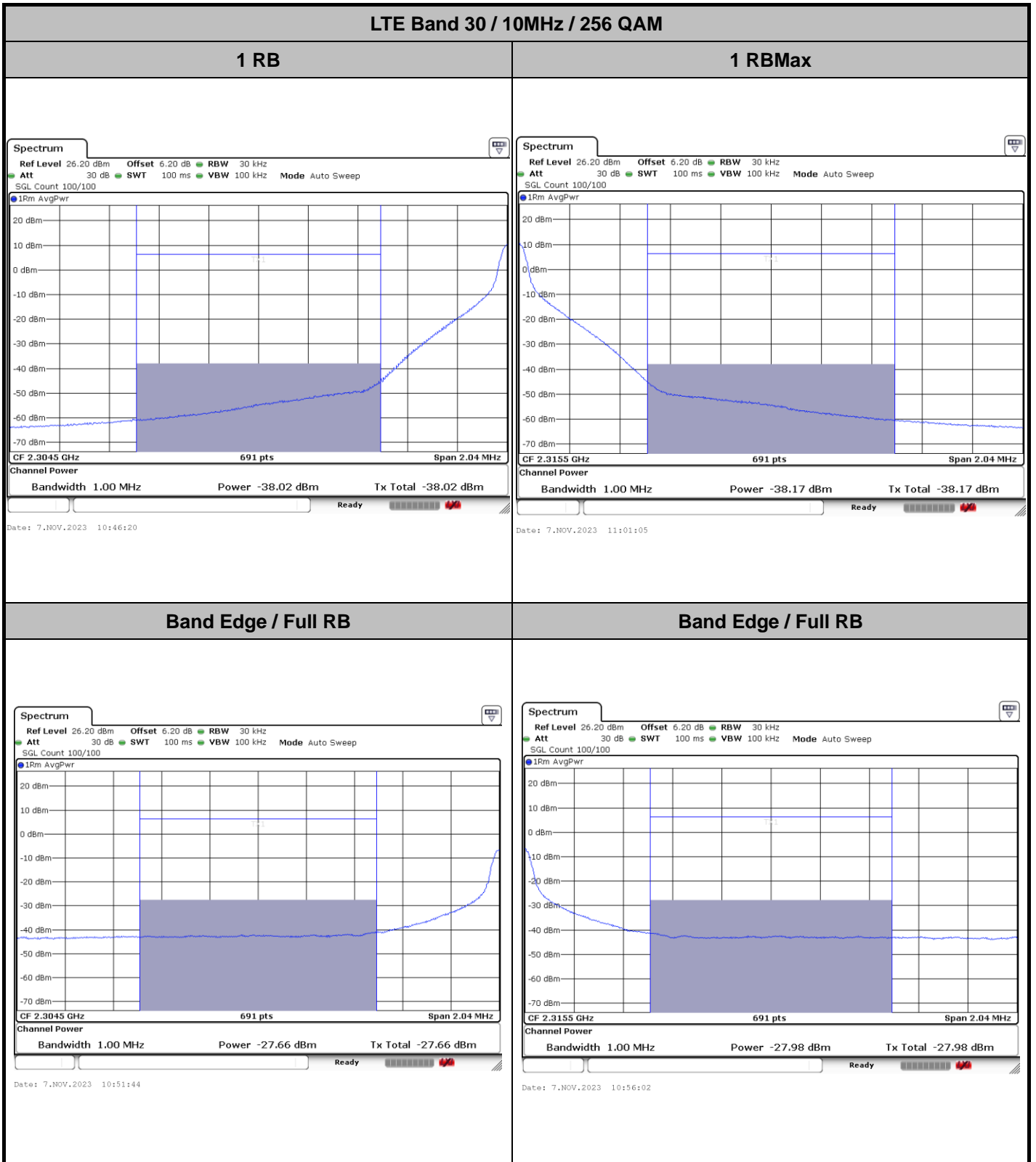
Band Edge / Full RB



Date: 7.NOV.2023 10:51:16



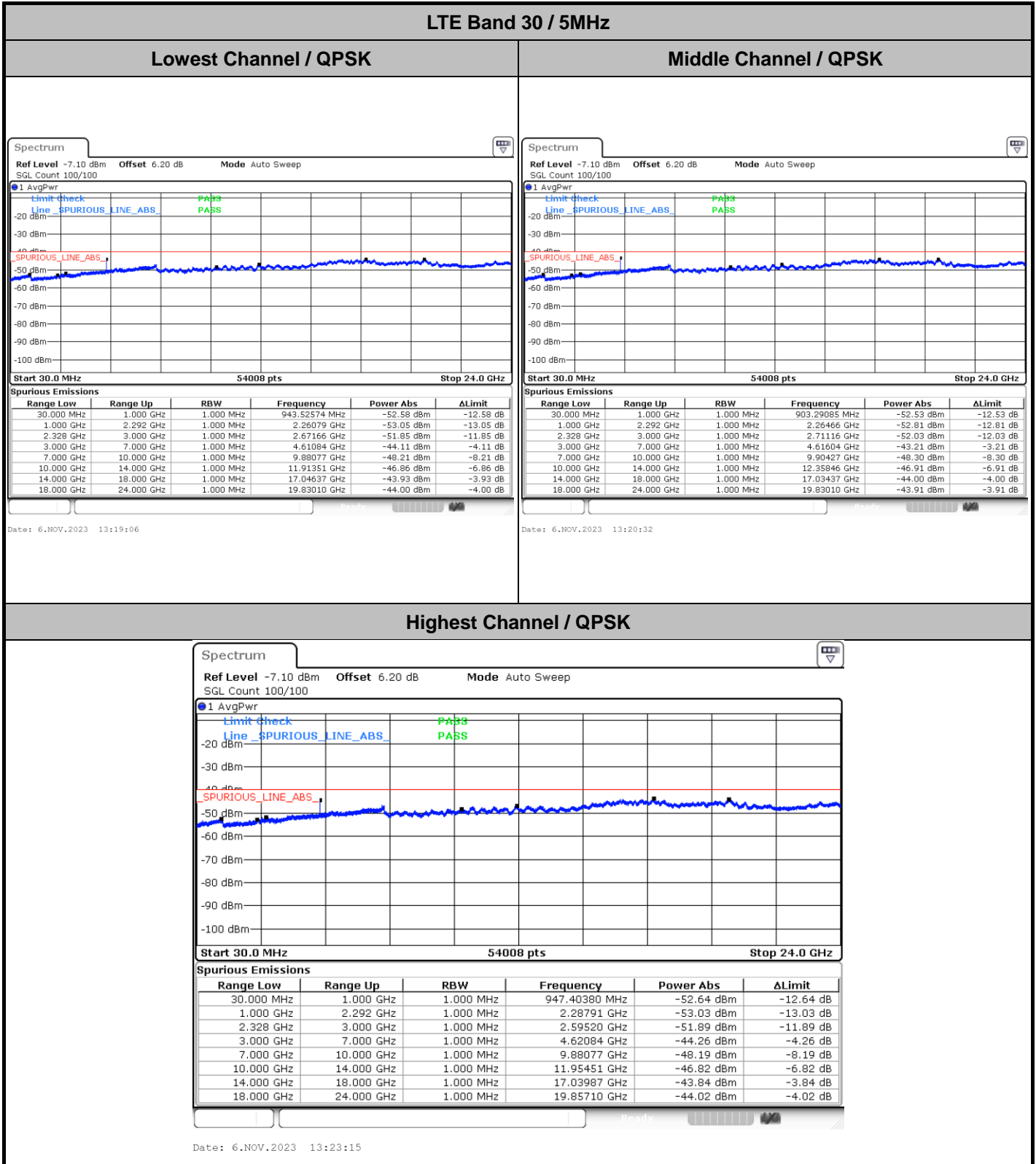
Date: 7.NOV.2023 10:54:39



Note: only the worst results of each BW are shown in the report.



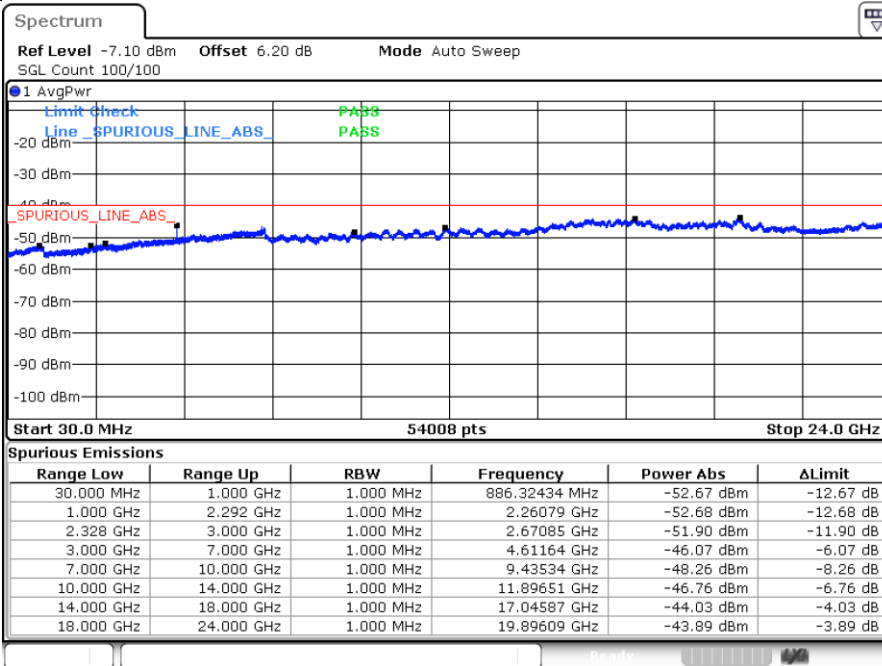
Conducted Spurious Emission





LTE Band 30 / 10MHz

Middle Channel / QPSK



Date: 6.NOV.2023 14:41:20

Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.91V. ; Battery End Point (BEP) =3.4V ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

For Main PA:

LTE Band 30 / 5MHz / QPSK ANT1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4616	-58.36	-40	-18.36	-69.82	2.84	14.30	H
	6912	-44.87	-40	-4.87	-54.81	3.49	13.43	H
	9222	-58.36	-40	-18.36	-68.60	3.85	14.09	H
	11532	-57.64	-40	-17.64	-67.20	4.27	13.83	H
	4616	-58.77	-40	-18.77	-70.23	2.84	14.30	V
	6912	-44.80	-40	-4.80	-54.74	3.49	13.43	V
	9222	-57.80	-40	-17.80	-68.04	3.85	14.09	V
	11532	-54.16	-40	-14.16	-63.72	4.27	13.83	V
Middle	4616	-60.20	-40	-20.20	-71.66	2.84	14.30	H
	6926	-45.28	-40	-5.28	-55.22	3.49	13.43	H
	9236	-60.79	-40	-20.79	-71.03	3.85	14.09	H
	11532	-57.64	-40	-17.64	-67.20	4.27	13.83	H
	4616	-60.37	-40	-20.37	-71.83	2.84	14.30	V
	6926	-44.32	-40	-4.32	-54.26	3.49	13.43	V
	9236	-58.82	-40	-18.82	-69.06	3.85	14.09	V
	11532	-56.45	-40	-16.45	-66.28	4.54	14.37	V
Highest	4616	-59.65	-40	-19.65	-71.11	2.84	14.30	H
	6926	-45.77	-40	-5.77	-55.71	3.49	13.43	H
	9236	-60.29	-40	-20.29	-70.53	3.85	14.09	H
	11546	-59.14	-40	-19.14	-68.70	4.27	13.83	H
	4616	-59.36	-40	-19.36	-70.82	2.84	14.30	V
	6926	-45.72	-40	-5.72	-55.66	3.49	13.43	V
	9236	-59.62	-40	-19.62	-69.86	3.85	14.09	V
	11546	-57.32	-40	-17.32	-66.88	4.27	13.83	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 30 / 10MHz / QPSK ANT1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4616	-58.50	-40	-18.50	-69.96	2.84	14.30	H
	6912	-48.67	-40	-8.67	-58.61	3.49	13.43	H
	9222	-60.06	-40	-20.06	-70.30	3.85	14.09	H
	11532	-57.09	-40	-17.09	-66.65	4.27	13.83	H
	4616	-59.93	-40	-19.93	-71.39	2.84	14.30	V
	6912	-44.00	-40	-4.00	-53.94	3.49	13.43	V
	9222	-58.67	-40	-18.67	-68.91	3.85	14.09	V
	11532	-54.32	-40	-14.32	-63.88	4.27	13.83	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

For Other PA:

LTE Band 30 / 5MHz / QPSK ANT4								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4616	-59.40	-40	-19.40	-70.86	2.84	14.30	H
	6926	-44.01	-40	-4.01	-53.95	3.49	13.43	H
	9236	-61.43	-40	-21.43	-71.67	3.85	14.09	H
	11532	-59.72	-40	-19.72	-69.28	4.27	13.83	H
	4616	-59.17	-40	-19.17	-70.63	2.84	14.30	V
	6926	-46.02	-40	-6.02	-55.96	3.49	13.43	V
	9236	-60.00	-40	-20.00	-70.24	3.85	14.09	V
	11532	-58.32	-40	-18.32	-67.88	4.27	13.83	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 30 / 10MHz / QPSK ANT4								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4616	-59.22	-40	-19.22	-70.68	2.84	14.30	H
	6912	-44.34	-40	-4.34	-54.28	3.49	13.43	H
	9222	-61.62	-40	-21.62	-71.86	3.85	14.09	H
	11532	-57.52	-40	-17.52	-67.08	4.27	13.83	H
	4616	-59.14	-40	-19.14	-70.60	2.84	14.30	V
	6912	-46.56	-40	-6.56	-56.50	3.49	13.43	V
	9222	-60.49	-40	-20.49	-70.73	3.85	14.09	V
	11532	-56.44	-40	-16.44	-66.00	4.27	13.83	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.